

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inv ntor(s): Marvin Glenn Wong et al.

Serial No.:

Examiner:

Filing Date: 10/31/2003

Group Art Unit:

Title: PHOTOIMAGED CHANNEL PLATE FOR A SWITCH

COMMISSIONER FOR PATENTS

PO Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:
☐ Statement under 37 CFR 1.97(e), or
☐ a \$180.00 Processing fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:
☐ Statement under 37 CFR 1.97(e), and
☐ a \$180.00 processing fee under 37 CFR 1.17(p).
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge to Deposit Account **50-1078** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **50-1078** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449. References identified with an asterisk (*) were disclosed in Patent Application No. 10/341,286 filed 01/13/2003, now U. S. Patent No. _____, and, as such, copies thereof are not included pursuant to the provisions of 37 CFR 1.98(d).

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

"Express Mail" label no. **EL 964691881 US**

Date of Deposit **10/31/2003**

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

By _____

Typed Name: **Gregory W. Osterloth**

Respectfully submitted,

Marvin Glenn Wong et al.

By _____

Greg ry W. Osterl th

Attorney/Agent for Applicant(s)

Reg. No. **36,232**

Date: **10/31/2003**

Telephone No.: **(303) 291-3200**

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO.
	10020355-2	
	APPLICANT Marvin Glenn Wong et al.	
	FILING DATE	GROUP
	10/31/2003	

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	*	DOCUMENT NUMBER	DATE	NAME
	*	6,323,447	11/27/2001	Kondoh et al.
	*	6,559,420	05/2003	Zarev
	*	6,516,504	02/2003	Schaper, Leonard W.
	*	5,875,531	03/1999	Nellissen et al.
	*	6,207,234	03/2001	Jiang, John J.
	*	6,446,317	09/2002	Figueroa et al.
	*	6,225,133	05/2001	Yamamichi et al.

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	TRANSLATION	
					YES	NO

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

*	Marvin Glenn Wong, "A Piezoelectrically Actuated Liquid Metal Switch", May 2, 2002, patent application (pending), 12 pages of specification, 5 pages of claims, 1 page of abstract, and 10 sheets of drawings (Figs. 1-10).
*	Jonathan Simon et al., "A Liquid-Filled Microrelay with a Moving Mercury Microdrop", Journal of Microelectromechanical Systems, Vol. 6, No. 3, September 1977, pages 208-216.
*	Joonwon Kim et al., "A Micromechanical Switch with Electrostatically Driven Liquid-Metal Droplet", Sensors and Actuators, A:Physical. v 9798, April, 1, 2002, 4 pages.

EXAMINER	DATE CONSIDERED
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* Copies of these references are not enclosed pursuant to 37 CFR 1.98(d). (See accompanying IDS)

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*	Marvin Glenn Wong, "Laser Cut Channel Plate for a Switch", patent application (Agilent Docket No. 10020698-1), 11 pages of specification, 5 pages of claims, 1 page of abstract, and 4 sheets of formal drawings (Figs. 1-10).

EXAMINER	DATE CONSIDERED
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